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Name of Registered Representative:

John C. Freeman

John C. Freeman, Registration No. 34,483

February 22, 2002
Date of Signature

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REISSUE PATENT
Case No. 837179

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for Reissue
of U.S. Patent No. 5,981,940

Issued: November 9, 1999

Patentee: Robert Setbacken et al.

U.S. Reissue Patent Application
Serial No.: 10/039,336

Filed: October 29, 2001

For: ANGLE MEASURING SYSTEM
WITH A CLAMPABLE SHAFT

Examiner: unassigned

Art Unit: unassigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231
BOX REISSUE

Sir:

In compliance with Applicants' duty of disclosure under 37 C.F.R. § 1.56 and in conformance with 37 C.F.R. §§ 1.97-1.98, Applicants hereby submit the following references for

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consideration by the Examiner. Copies of the references have been enclosed along with a completed copy of Form PTO-1449.

I. DISCLOSURE

A. U.S. Patents

<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
4,031,441	Garrett	06/21/77
4,652,748	Siraky et al.	03/24/87
4,660,288	Dangschat	04/28/87
4,759,218	Rodi et al.	07/26/88
5,981,940	Setbacken et al.	11/09/99
6,311,402	Brandl et al.	11/06/01

B. Foreign Patent References

<u>Patent No.</u>	<u>Country</u>	<u>Issue/Pub.Date</u>
30 38 005	W. Germany	05/06/82
1-84015	Japan	06/05/89
89 15 109.7	W. Germany	04/05/90

C. Pending Renco Encoders Patent Applications

<u>Application No.</u>	<u>Inventor</u>	<u>Filing Date</u>
09/944,639	Setbacken et al.	08/31/01

II. DISCUSSION

A. West German Reference No. 30 38 005

The pertinence of the '005 reference is discussed at page 1, column 1, lines 29-38 of Applicants' specification.

B. Japanese Reference No. 1-84015

Based solely on the drawings, the '015 reference is pertinent because it appears to disclose an optoelectronic encoder with a driveshaft m (FIG. 5) that is coupled by a clamping element 20 with hub 10 of the encoder. The clamping element is axially displaced in the hub 10 by a screw 30, and the clamping element 20 is axially supported on a collar 12 of the hub 10. The support causes a radially widening of the clamping element 20 and therefore a radial clamping of the shaft m results.

C. West German Reference No. 89 15 109.7

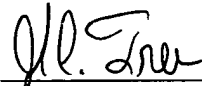
The pertinence of the '109.7 reference is discussed at page 1, Column 2, lines 28-47 of Applicants' specification.

III. CONCLUSION

It is believed that none of the above references, alone or in combination, disclose or suggest the invention claimed. Applicants wish it to be known that the recitation of the above-mentioned references should not be deemed an admission that any of the references qualifies as prior art. It is Applicants' desire, however, to have these references available in the record for both the Examiner and the public to see. Applicants therefore request that the Examiner review

the entire disclosure of the above-mentioned references and make them of record. Applicants also invite the Examiner to review the cited Renco Encoders patent application and the art cited therein.

Respectfully submitted,



John C. Freeman
Registration No. 34,483
Attorney for Applicants

BRINKS HOFER
GILSON & LIONE
P.O. Box 10395
Chicago, Illinois 60610
(312) 321-4200

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FORM PTO-1449	U.S. REISSUE PAT. APP. SER. NO. 10/039,336	CASE NO. 8371/9
	FOR REISSUE OF U.S. PATENT NO. 5,981,940	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE October 29, 2001	GROUP ART UNIT unassigned 2878
	ISSUE DATE November 9, 1999	
(use several sheets if necessary)	APPLICANT(S): Robert Setbacken et al	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
1	A1	4,031,441	06/21/77	Garrett	_____	
1	A2	4,652,748	03/24/87	Siraky et al.	_____	
1	A3	4,660,288	04/28/87	Dangschat	_____	
1	A4	4,759,218	07/26/88	Rodi et al.	_____	
1	A5	5,981,940	11/09/99	Setbacken et al.	_____	
1	A6	6,311,402	11/06/01	Brandl et al.	_____	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
1	A7	30 38 005	05/06/82	W. Germany	_____	_____
1	A8	1-84015	06/05/89	Japan	_____	_____
0	A9	89 15 109.7	04/05/90	W. Germany	_____	_____

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)				
1	A10	Pending Patent Application Assigned to Renco Encoders: Serial No.: 09/944,639 Filing Date: 08/31/01, Inventor: Setbacken et al.			

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EXAMINER Le	DATE CONSIDERED 10/02
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.